

AMENDMENT

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A polymer composition comprising a blend of a polylactide grafted with a polar monomer, oligomer, or polymer or a combination thereof and a second biodegradable polymer grafted with a polar monomer, oligomer, or polymer or a combination thereof, wherein said second biodegradable polymer is other than polylactide.
2. (Previously Presented) The composition of Claim 1, wherein said polylactide comprises about 1% to 99% by weight of said polymer blend and second biodegradable polymer comprises about 1% to 99% by weight of said polymer blend.
3. (Canceled)
4. (Canceled)
5. (Original) The composition of Claim 1, wherein said second biodegradable polymer comprises a poly(hydroxy alkanoate).
6. (Previously Presented) The composition of Claim 5, wherein said poly(hydroxy alkanoate) is poly(β -hydroxybutyrate-co- β -hydroxyvalerate).
7. (Original) The polymer composition of Claim 1, wherein said polar monomer is an ethylenically unsaturated monomer containing at least one polar functional group or said oligomer or said polymer is an oligomer or a polymer polymerized from an ethylenically unsaturated monomer containing at least one polar functional group.

8. (Previously Presented) The polymer composition of Claim 7, wherein said at least one polar functional group is a hydroxyl, carboxyl, sulfonate, halide, glycidyl, cyano, carbonyl, thiol, sulfonic groups or a combination thereof.

9. (Previously Presented) The polymer composition of Claim 7, wherein said at least one polar functional group is a hydroxyl group.

10. (Original) The polymer composition of Claim 1, wherein said polar monomer is a polar vinyl monomer.

11. (Original) The polymer composition of Claim 1, wherein said polar monomer is selected from poly(ethylene glycol) acrylate, poly(ethylene glycol) alkyl ether acrylate, poly(ethylene glycol) methacrylate, poly(ethylene glycol) alkyl ether methacrylate, acrylic acid, maleic anhydride, itaconic acid, sodium acrylate, 3-hydroxypropyl methacrylate, 2-hydroxyethyl methacrylate, 3-hydroxypropyl acrylate, 2-hydroxyethyl acrylate, acrylamide, 2-bromoethyl methacrylate, 2-chloroethyl methacrylate, 2-iodoethyl methacrylate, 2-bromoethyl acrylate, 2-chloroethyl acrylate, 2-iodoethyl acrylate, glycidyl methacrylate, 2-acrylate, 2-cyanoethyl acrylate, glycidyl acrylate, 4-nitrophenyl acrylate, pentabromophenyl acrylate, poly(propylene glycol) methacrylate, poly(propylene glycol) acrylate, 2-propene-1-sulfonic acid and its sodium salt, 2-sulfoethyl acrylate, 2-sulfoethyl methacrylate, 3-sulfopropyl acrylate, 3-sulfopropyl methacrylate or mixtures thereof.

12. (Currently Amended) The polymer composition of Claim 1, wherein said polar monomer, oligomer, or polymer is selected from 2-hydroxyethyl methacrylate, polyethylene glycol methacrylate or ~~analog~~ derivatives thereof.

13. (Original) The polymer composition of Claim 1, wherein said polar monomer, oligomer, or polymer is selected from hydroxyalkyl acrylate or hydroxyalkyl methacrylate.

14. (Original) The polymer composition of Claim 10, wherein said polar vinyl monomer is hydroxyalkyl acrylate or hydroxyalkyl methacrylate.
15. (Currently Amended) The polymer composition of Claim 10, wherein said polar vinyl monomer is 2-hydroxyethyl methacrylate or its analogs derivatives.
16. (Currently Amended) A polymer composition comprising a blend of a polylactide grafted with 2-hydroxyethyl methacrylate or its analogs derivatives and poly(β -hydroxybutyrate-co- β -hydroxyvalerate) grafted with 2-hydroxyethyl methacrylate or its analogs derivatives.
17. (Currently Amended) A polymer composition comprising a blend of a poly(ethylene oxide) grafted with 2-hydroxyethyl methacrylate or its analogs derivatives and poly(α -hydroxybutyrate-co- β -hydroxyvalerate) grafted with 2-hydroxyethyl methacrylate or its derivatives.
18. (Original) A film comprising the composition of Claim 1.
19. (Original) A fiber comprising the composition of Claim 1.
20. (Original) An article comprising the composition of Claim 1.
21. (Currently Amended) A polymer composition comprising a blend of two or more different biodegradable polymers grafted with polyethyleneglycol methacrylate or 2-hydroxyethyl methacrylate or analogs derivatives of the polyethyleneglycol methacrylate or 2-hydroxyethyl methacrylate, wherein one of the biodegradable polymers is polylactide.
22. (Original) A film comprising the composition of Claim 21.

23. (Original) A fiber comprising the composition of Claim 21.
24. (Original) An article comprising the composition of Claim 21.
25. (Original) The composition of Claim 1, wherein said composition has improved processability.
26. (Original) The composition of Claim 1, wherein said composition has improved mechanical properties.
27. (Original) The composition of Claim 1, wherein said composition has improved cooling properties and an increased solidification rate.
28. (Previously presented) A polymer composition comprising a blend of a poly (ethylene oxide) grafted with a polar monomer, oligomer, or polymer or a combination thereof and a biodegradable polymer grafted with a polar monomer, oligomer, or polymer or a combination thereof, wherein the biodegradable is other than poly (ethylene oxide).